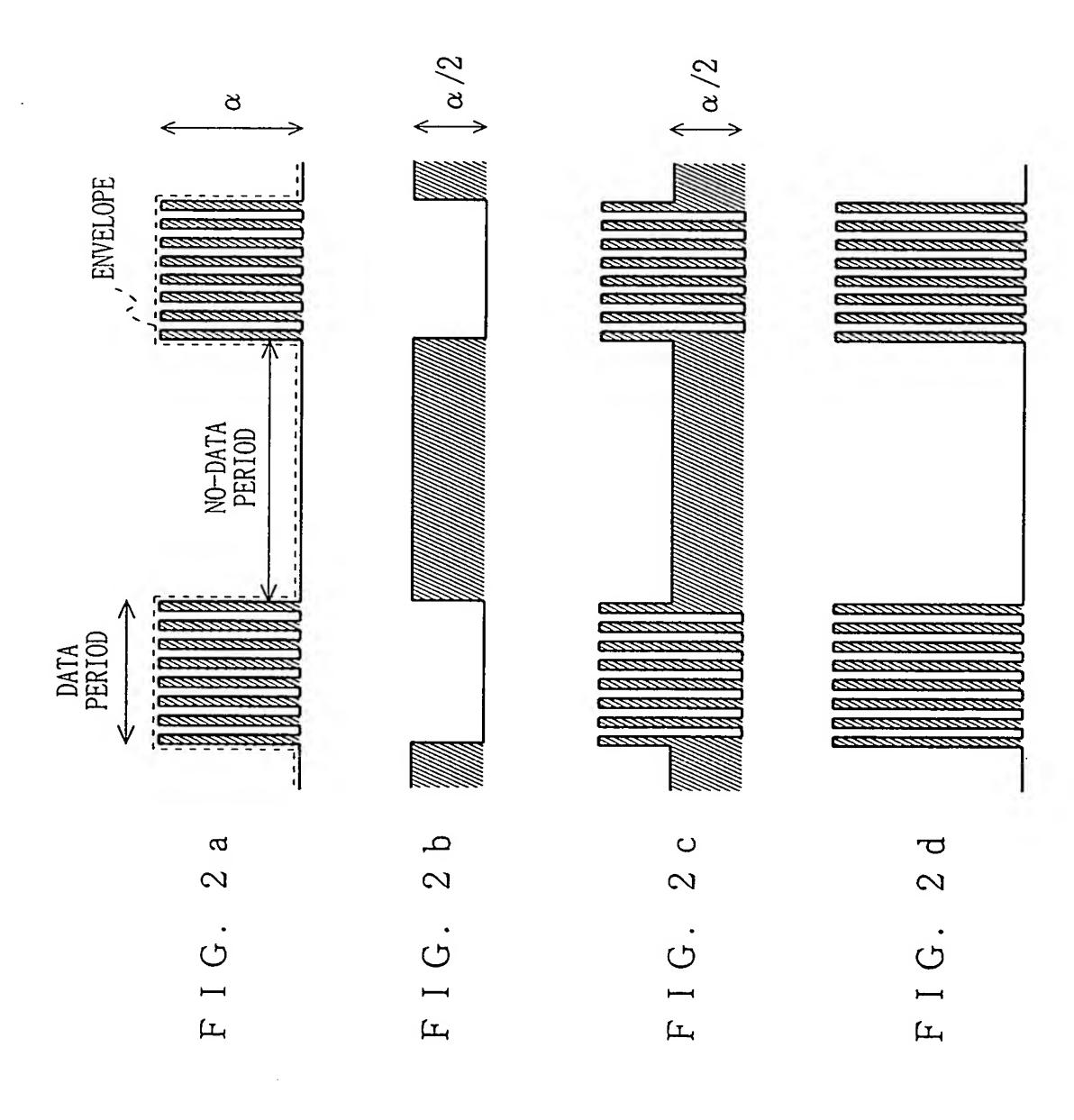
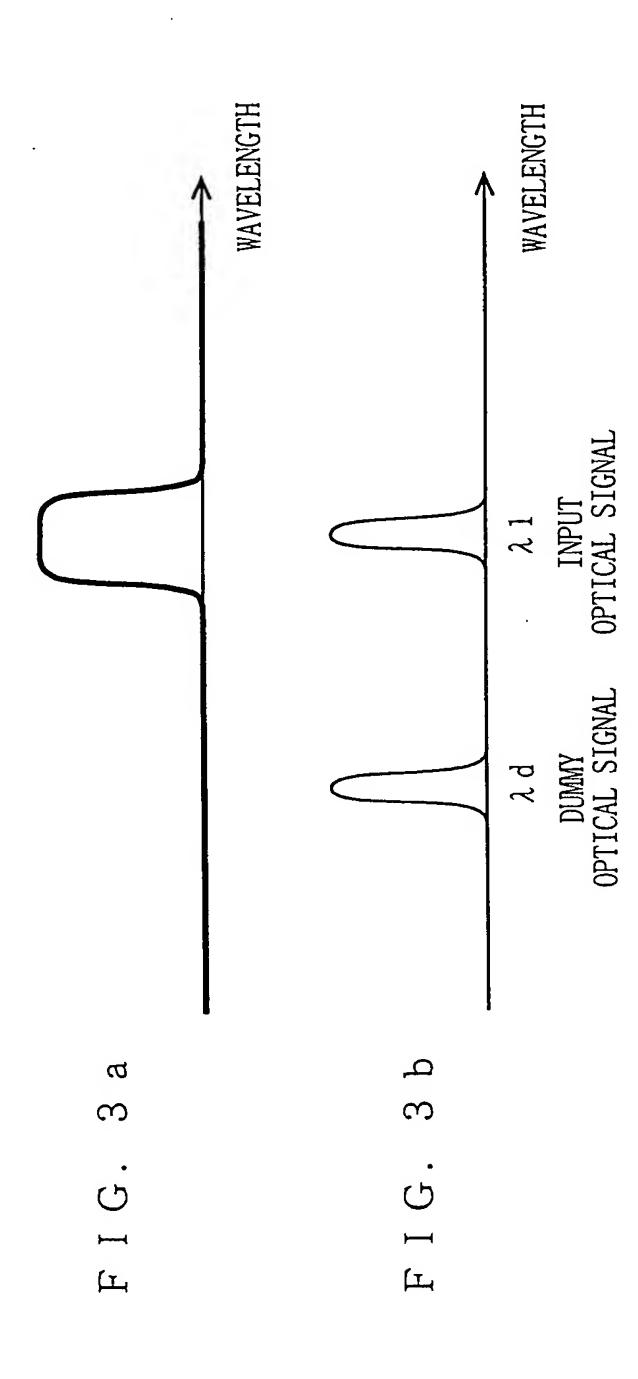
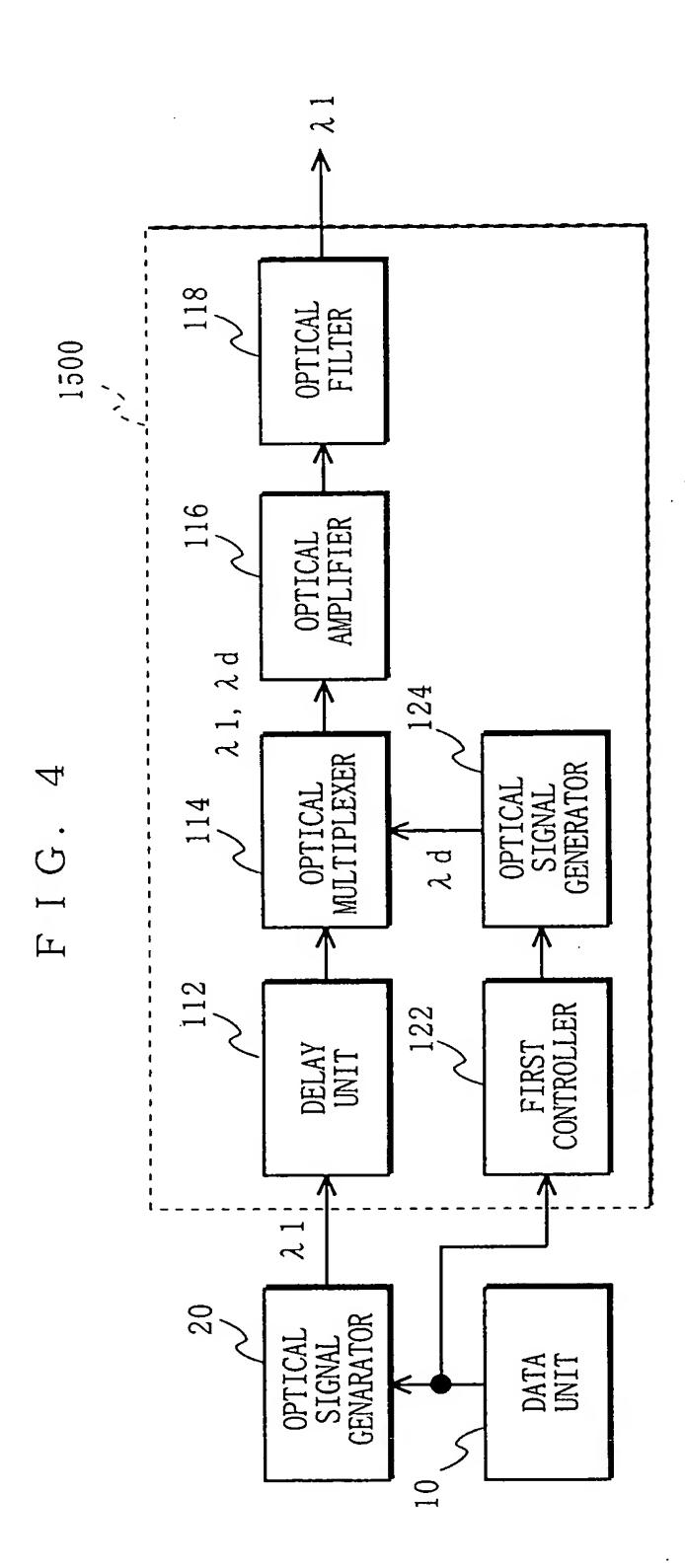
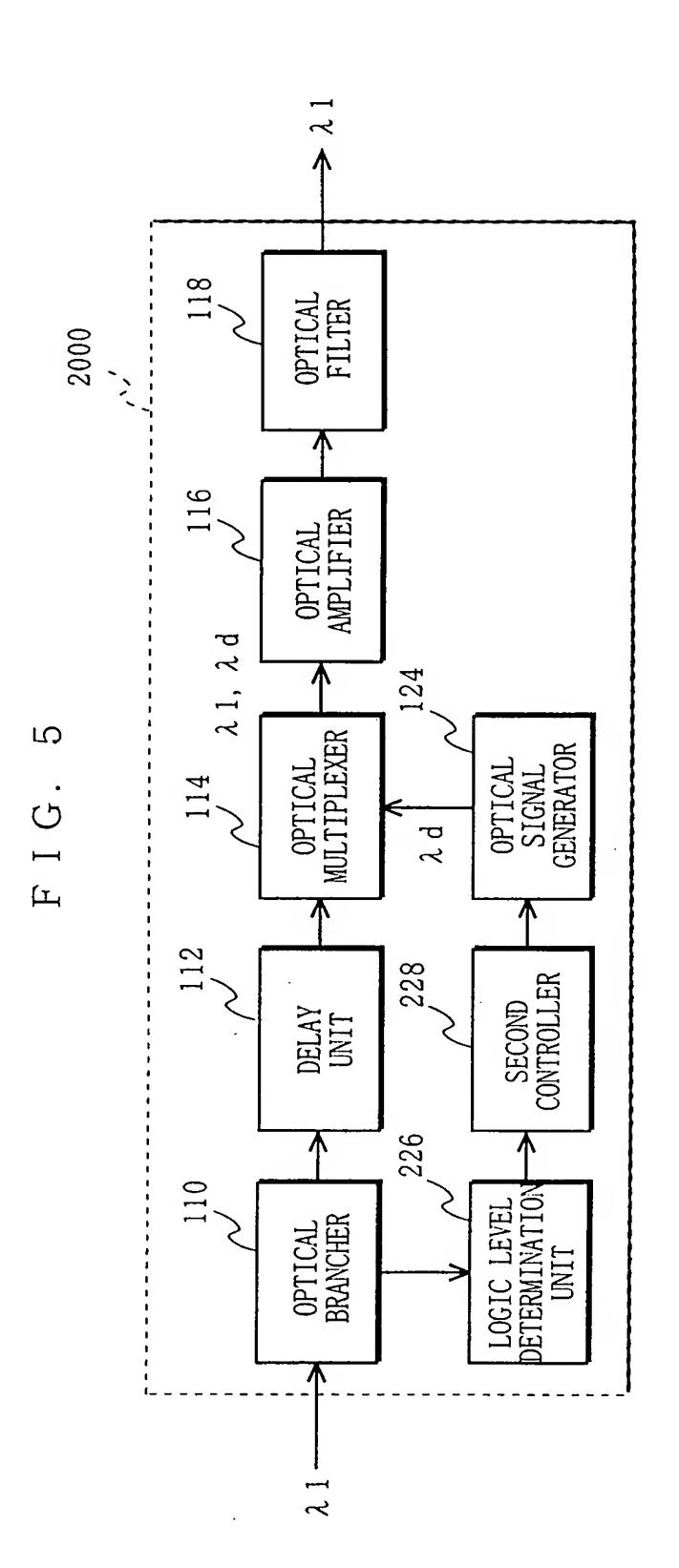


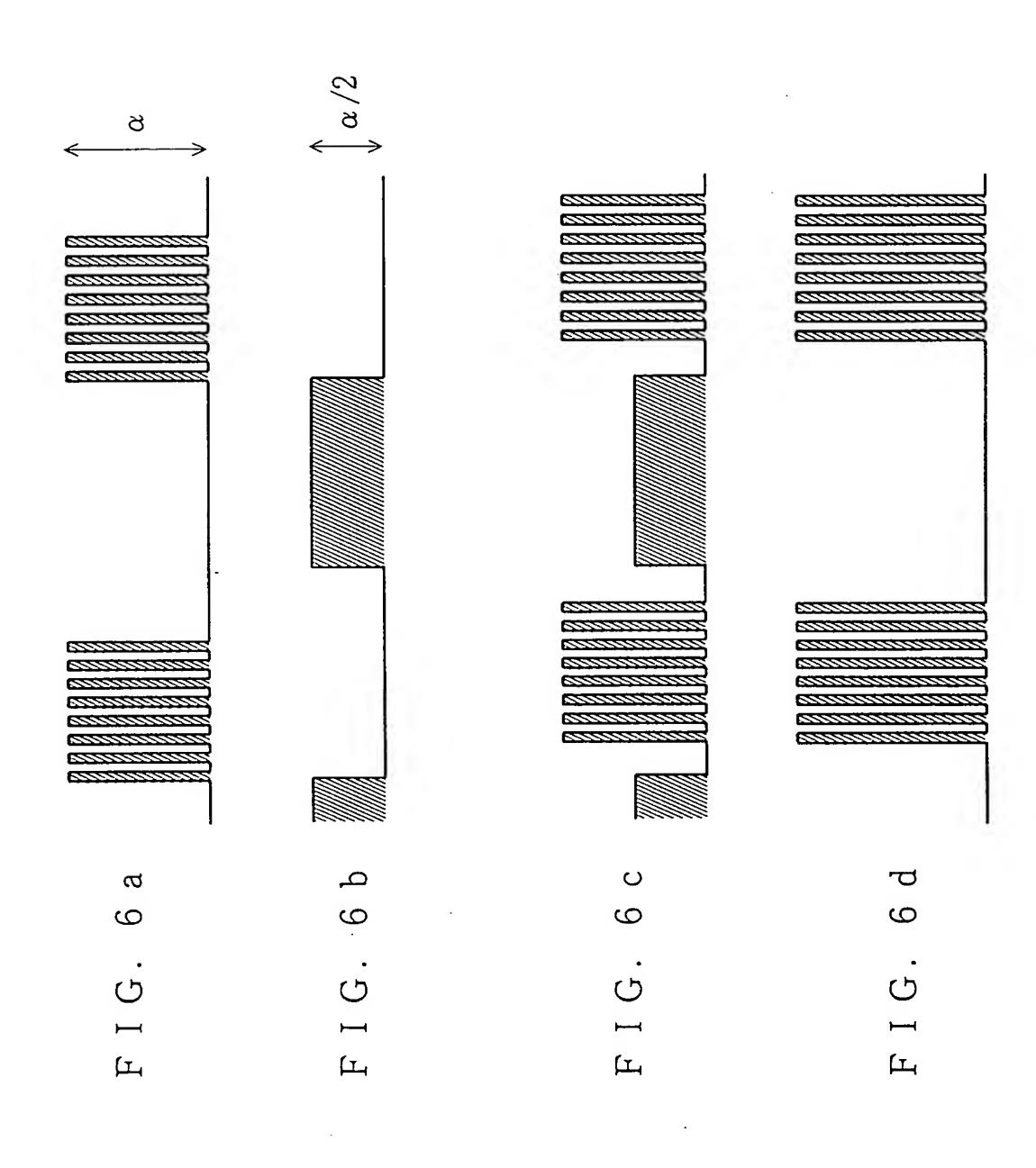
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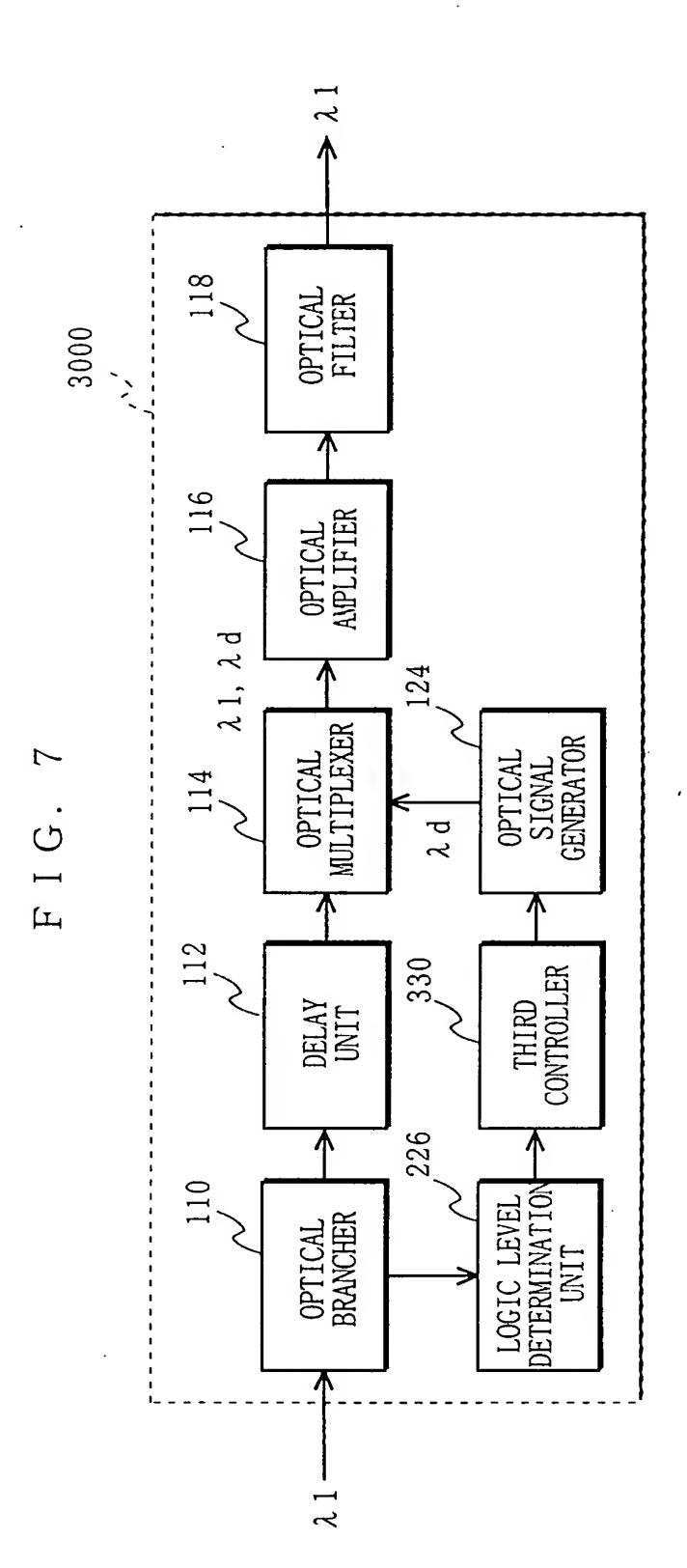


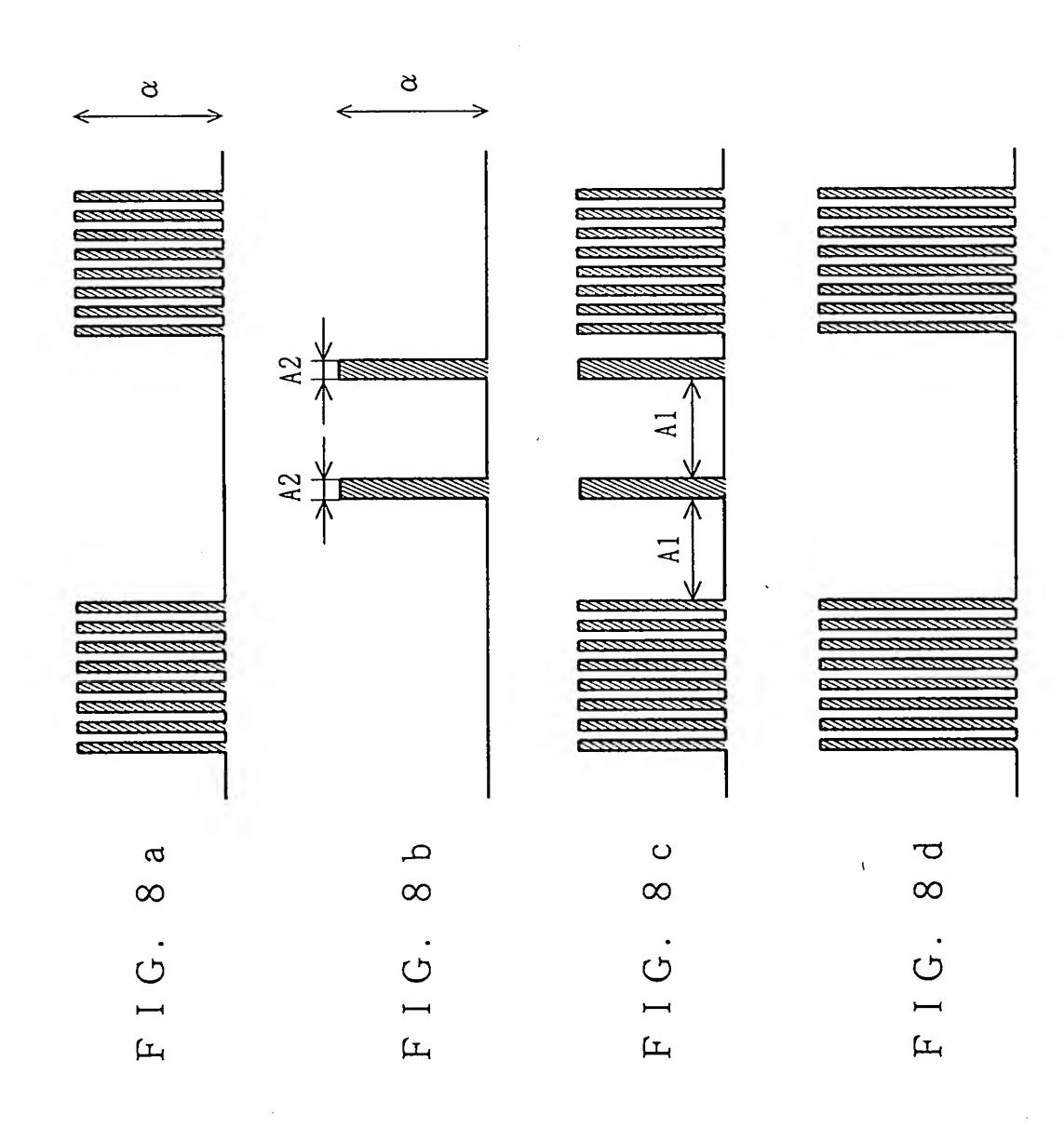


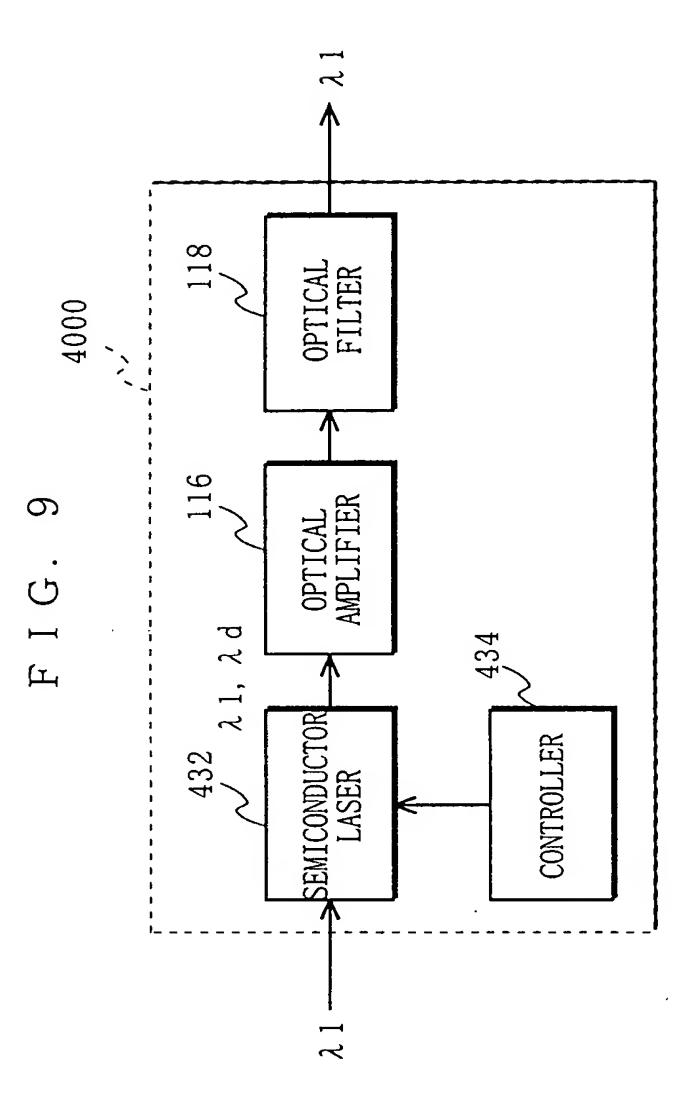


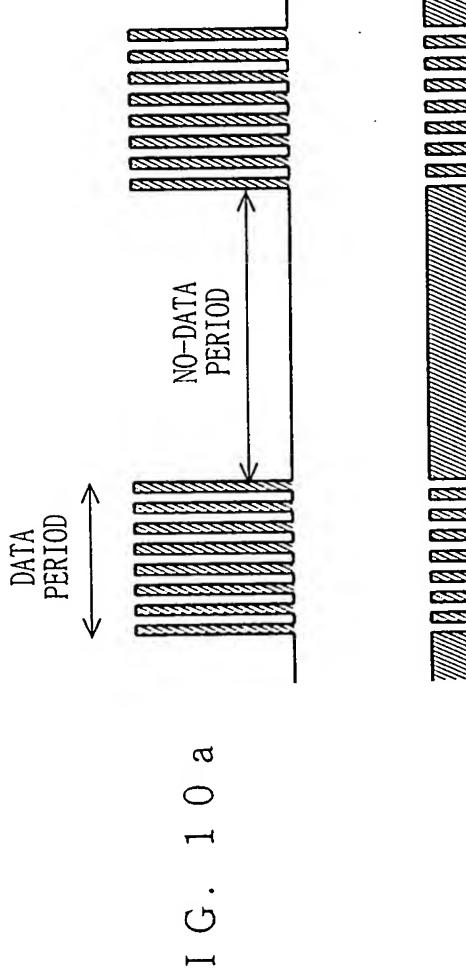






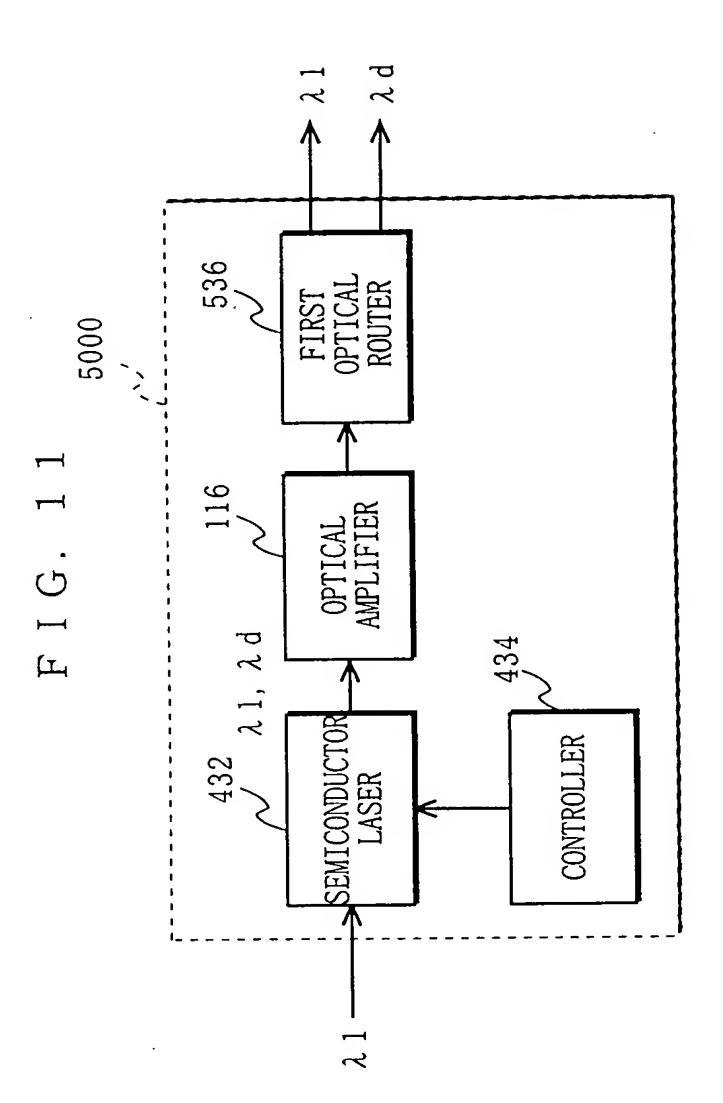


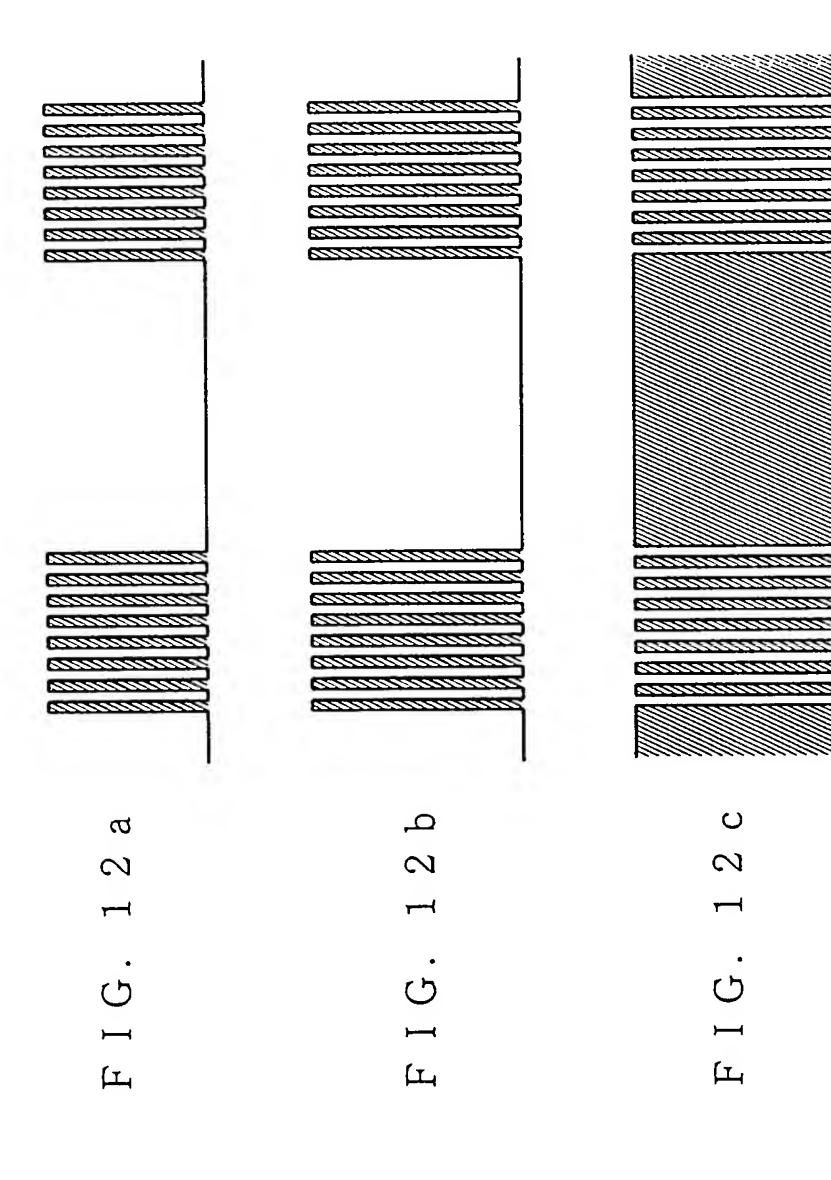


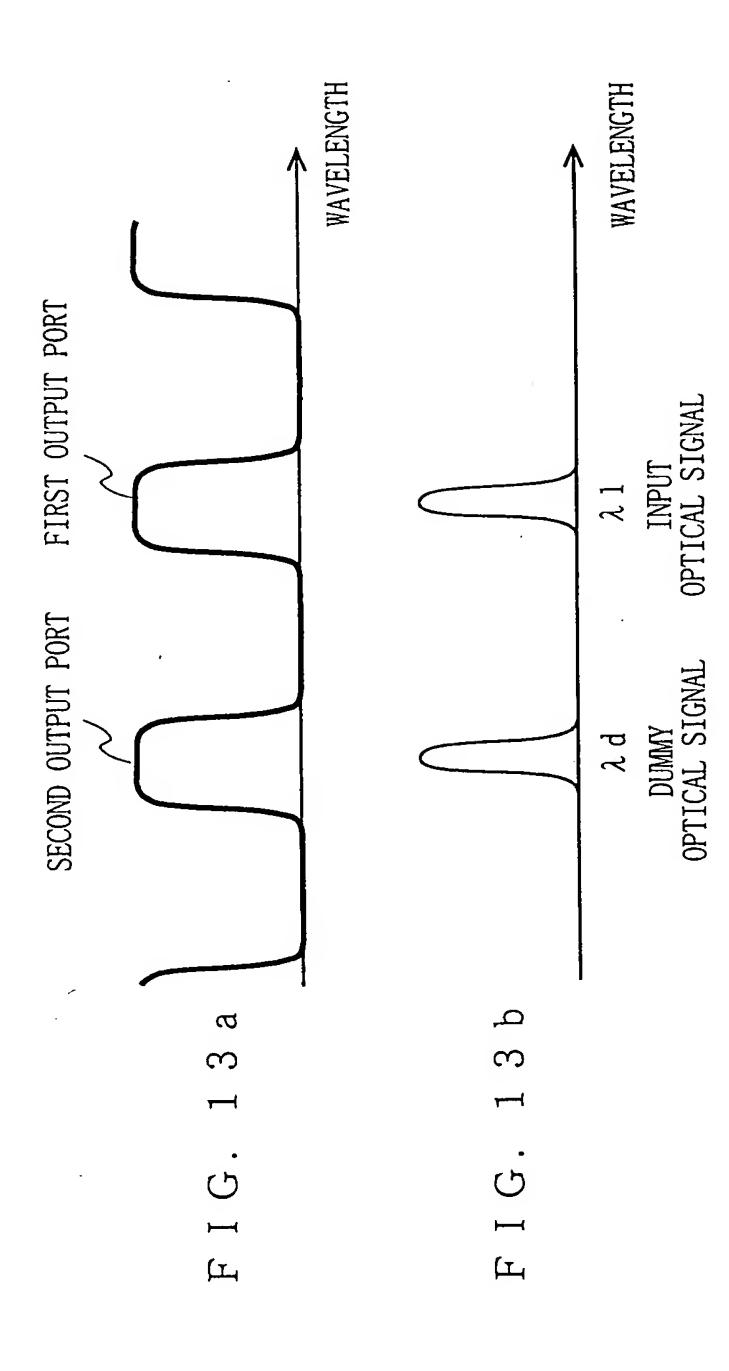


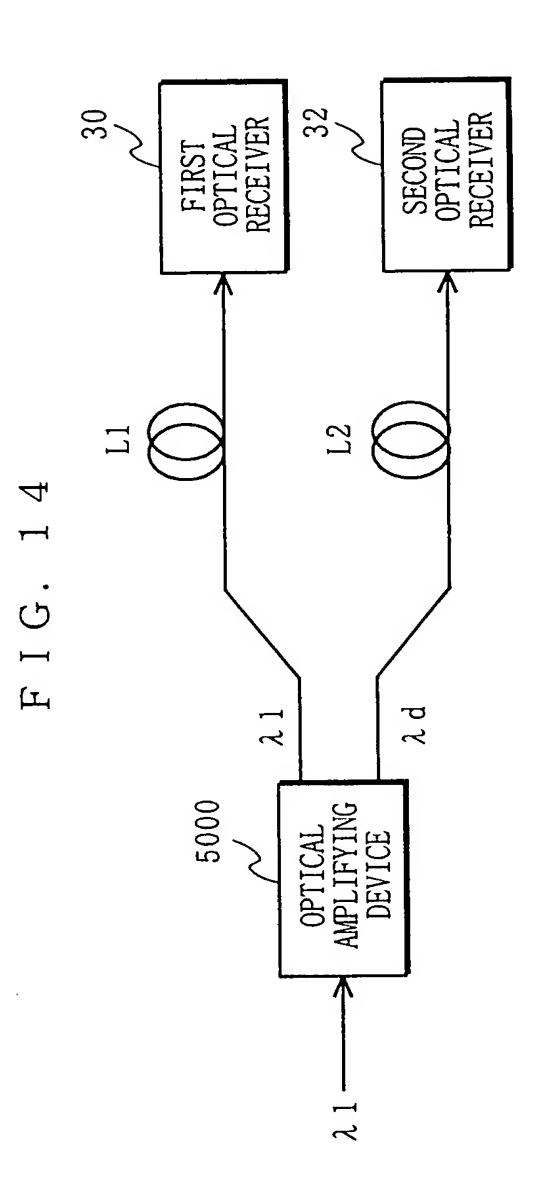
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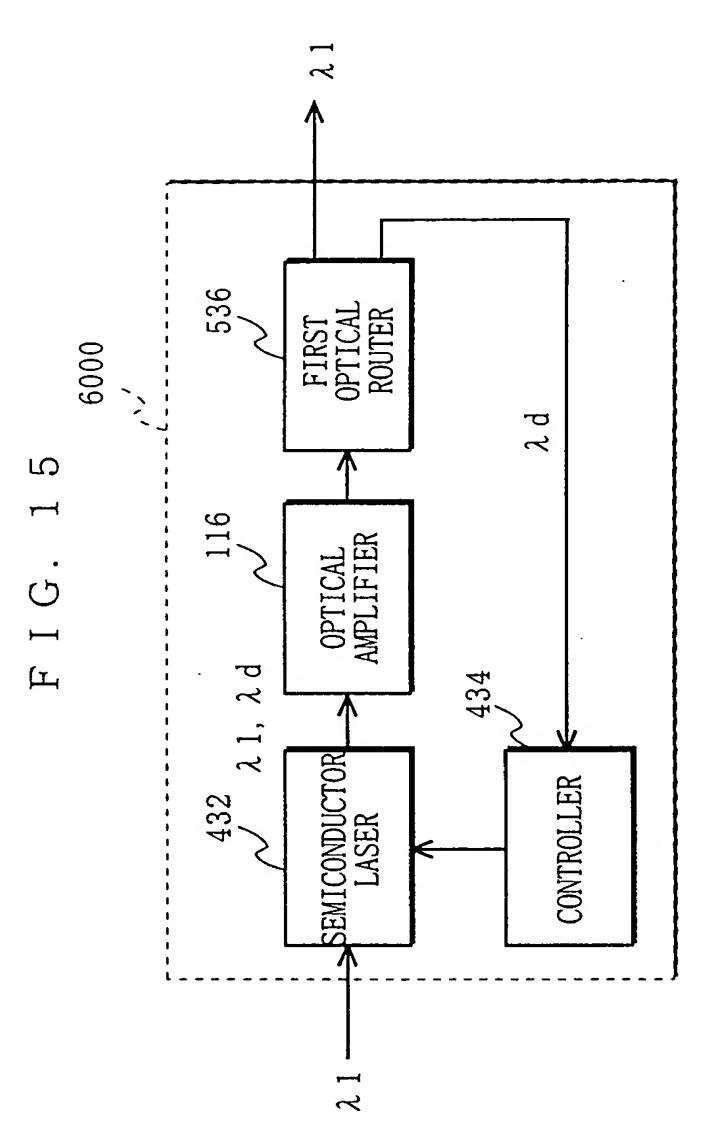
FIG. 10b











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 $\mathcal{O}$ 

 $\lambda 2$ 50b  $\lambda d1$  $\lambda d2$ 50a OPTICAL FILTER OPTICAL FILTER λ1, 3  $\prec$ 736 SECOND OPTICAL ROUTER 7000 40þ 40a SECOND OPTICAL AMPLIFIER SECOND OPTICAL AMPLIFIER 116 FIRST OPTICAL AMPLIFIER **d**2 ん 3  $\prec$ d1, d2く OPTICAL MULTIPLEXER λ2, 738 734b 734a  $\lambda d1$ SEMICONDUCTOR LASER SEMICONDUCTOR LASER CONTROLLER CONTROLLER 732b 732a  $\lambda 2$ コ ス

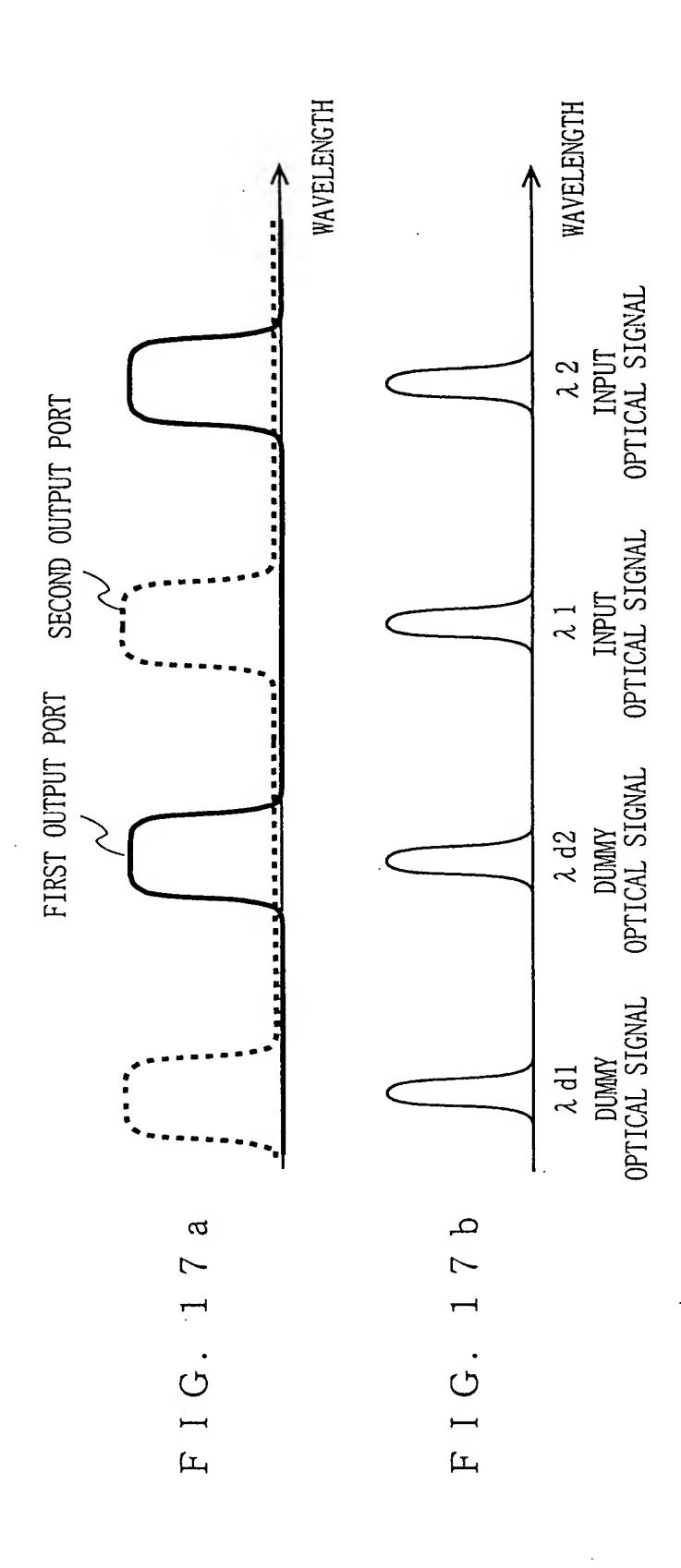


FIG. 18a PRIOR ART

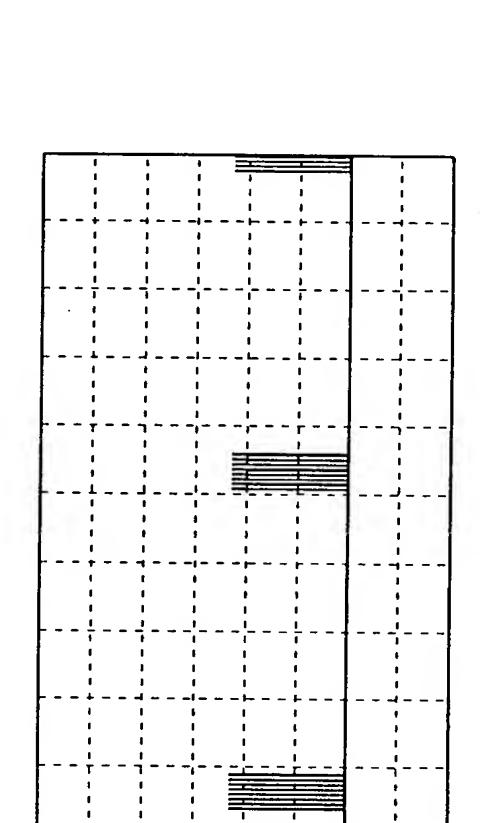


FIG. 18b PRIOR ART

